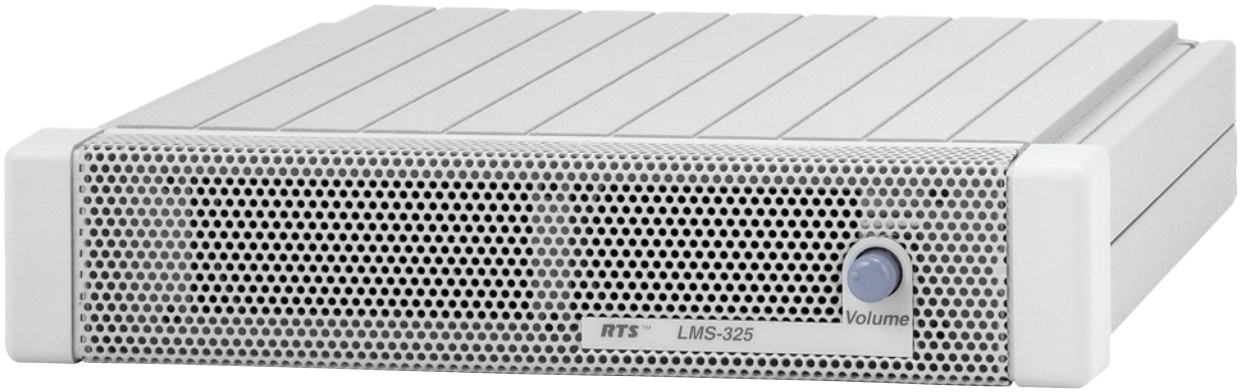


LMS-325

Active General Purpose Monitor Speaker

The RTS® Model LMS-325 Line Monitor Speaker Station is a modular amplified speaker that can be used to monitor one or two intercom or program channels. It features 5 watts of drive power and includes a wide range 8 Ω speaker. The LMS-325 is in the standard 1 RU, ½ rack width form factor of other RTS® intercom products, including the RM-325 Intercom station, the MRT-327, MCE-325, SSA-324 and others. A large variety of mounting options and hardware are available to suit any application.

The LMS-325 has separate phono jacks for each program input and an XLR-3 connector for a two channel RTS® intercom line. A rear panel adjustment allows the user to set relative levels between the two input channels. The LMS-325 is magnetically shielded to allow it to be placed adjacent to video monitors without affecting their display alignment. The unit is powered locally from a supplied power pack to allow operation with dry audio signals and to prevent loading of the RTS® TW intercom channels.

Features

Dual Channel Inputs
Dual channel inputs from RTS® TW Intercom or 2 separate program inputs.

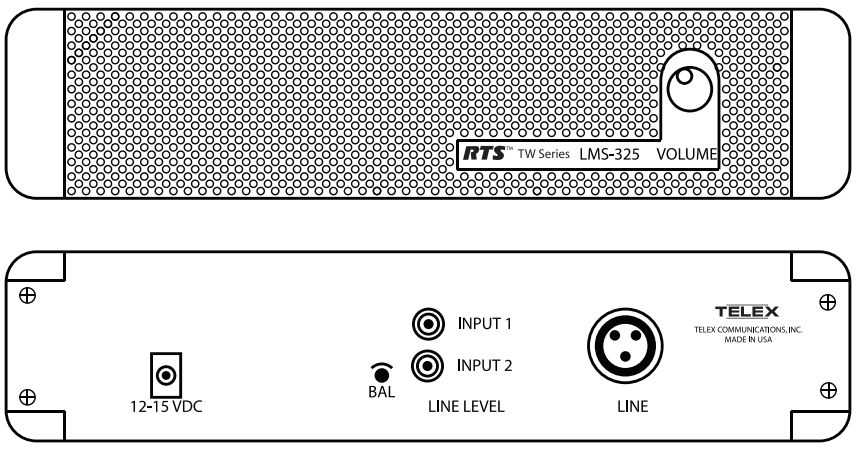
Full Range 5 Watt Speaker and Power Amplifier

Standard Configuration
Standard ½ rack width 1 RU configuration, compatible with MCE-325, MRT-327, LMS-325.

Magnetically Shielded
Magnetically shielded enclosure allows for use adjacent to video monitors without picture degredation.

Locally Powered
Locally powered to allow use with any audio or intercom source.

Line Drawing



LMS-325 Specifications

General
Impedance: 8 Ω

Power Rating: 5 watts

Sensitivity: 90± 2dB/2.83V/meter on axis averaged over one octave bands centered at 250 Hz, 500 Hz, 1kHz, 2 kHz, 4 kHz and 8 kHz when enclosed in a sealed box with a volume of 1.3 liters. Frequency Response: 200 Hz to 10 kHz± 4 dB on 1/10 octave measurements in a sealed box with a volume of 1.3 liters.

Free Air Resonance: 200 Hz to 250 Hz

Stray Magnetic Field: Less than 1 gauss at a distance of 1 cm from chassis

Mechanical Noise: Free of buzzes and rattles with 5W sinewave input from 100 Hz to 22 kHz.

Environmental Requirements:

Storage: -20ºC to 80ºC; 0% to 95% humidity, non-condensing

Operating: 0ºC to 50ºC; 0% to 95% humidity, non-condensing.

Dimensions: 1.72” (44mm) high, 8.2” (208mm) wide, 8” (203mm) deep

Weight: 2 lbs 12 oz (1.25kg)

Connector Pin Configurations
Speaker Inputs

Type: RCA Phono Jacks

Tip: Audio

Sleeve: Common

Type: XLR-3F

Pin 1: Common

Pin 2: RTS® Channel 1 audio

Pin 3: RTS® Channel 2 audio

External Power

Type: 2.0 mm jack

Internal Pin: positive (+) 12-15 VDC

External Shell: negative (-)

Speaker Amplifier
Note: Specifications are for Input 1 with the balance control set for minimum attenuation. Specifications for Input 2 are identical.

Input Impedance: 47kΩ

Input Level: 0.7 Vms

Output Amplifier Power: 5W maximum, 4W continuous into 8Ω

Signal-to-Noise Ratio: 75 dB, reference 2W into 8Ω

Total Harmonic Distortion: Less than 0.5% at 2W nominal

Balance Control: 12 dB maximum relative attenuation

Contact Information
Telex Communications, Inc.
12000 Portland Avenue South
Burnsville, Minnesota 55337
Telephone: (800) 392-0498
Fax: (800) 323-0498

Form Number: RTS-20355-1
Date: February, 2006

Ordering Information
LMS-325
5 watt modular amplified loudspeaker
Catalog Number: 90007490000

This specifications information is preliminary and is subject to change without notification.

Brand names mentioned are the property of their respective companies.